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RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/783,580

DATE: 09/07/2001
TIME: 16:58:24

Input Set : A:\ES.txt
Output Set: N:\CRF3\09072001\I783580.raw

ENTERED

3 <110> APPLICANT: CORNETT, Lawrence
4 HILLER, F, Charles
5 JONES, Stacie
7 <120> TITLE OF INVENTION: RECOMBINANT BETA2-ADRENERGIC RECEPTOR DELIVERY AND USE IN
TREATING AIRWAY
8 AND VASCULAR DISEASES
10 <130> FILE REFERENCE: 023533/0113
12 <140> CURRENT APPLICATION NUMBER: US 09/783,580
13 <141> CURRENT FILING DATE: 2001-02-15
15 <150> PRIOR APPLICATION NUMBER: us 60/182,502
16 <151> PRIOR FILING DATE: 2000-02-15
18 <160> NUMBER OF SEQ ID NOS: 17
20 <170> SOFTWARE: PatentIn version 3.0
22 <210> SEQ ID NO: 1
23 <211> LENGTH: 15
24 <212> TYPE: DNA
25 <213> ORGANISM: Unknown
27 <220> FEATURE:
28 <221> NAME/KEY: misc_feature
29 <222> LOCATION: ()...()
30 <223> OTHER INFORMATION: glucocorticoid response element ✓
33 <220> FEATURE:
34 <221> NAME/KEY: misc_feature
35 <222> LOCATION: (7)...(9)
36 <223> OTHER INFORMATION: The "N" at positions 7, 8 and 9 can be A, C, G or T
39 <400> SEQUENCE: 1
W--> 40 gtcacannt gttct 15
43 <210> SEQ ID NO: 2
44 <211> LENGTH: 9
45 <212> TYPE: PRT
46 <213> ORGANISM: Unknown
48 <220> FEATURE:
49 <221> NAME/KEY: misc_feature
50 <222> LOCATION: ()...()
51 <223> OTHER INFORMATION: epitope tag ✓
54 <400> SEQUENCE: 2
56 Tyr Pro Tyr Asp Val Pro Asp Tyr Ala
57 1 5
59 <210> SEQ ID NO: 3
60 <211> LENGTH: 15
61 <212> TYPE: DNA
62 <213> ORGANISM: Unknown
64 <220> FEATURE:
65 <221> NAME/KEY: misc_feature
66 <222> LOCATION: ()...()
67 <223> OTHER INFORMATION: glucocorticoid response element ✓
70 <400> SEQUENCE: 3
71 cgagtaacgt gttct 15

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74 <210> SEQ ID NO: 4
 75 <211> LENGTH: 15
 76 <212> TYPE: DNA
 77 <213> ORGANISM: Unknown ✓
 79 <220> FEATURE:
 80 <221> NAME/KEY: misc_feature
 81 <222> LOCATION: ()..()
 82 <223> OTHER INFORMATION: glucocorticoid response element ✓
 85 <400> SEQUENCE: 4
 86 ttgcctgcat gttct 15
 89 <210> SEQ ID NO: 5
 90 <211> LENGTH: 15
 91 <212> TYPE: DNA
 92 <213> ORGANISM: Unknown ✓
 94 <220> FEATURE:
 95 <221> NAME/KEY: misc_feature
 96 <222> LOCATION: ()..()
 97 <223> OTHER INFORMATION: glucocorticoid response element ✓
 100 <400> SEQUENCE: 5
 101 ttcaccaagt gtgct 15
 104 <210> SEQ ID NO: 6
 105 <211> LENGTH: 15
 106 <212> TYPE: DNA
 107 <213> ORGANISM: Unknown ✓
 109 <220> FEATURE:
 110 <221> NAME/KEY: misc_feature
 111 <222> LOCATION: ()..()
 112 <223> OTHER INFORMATION: glucocorticoid response element ✓
 115 <400> SEQUENCE: 6
 116 caccccttgt gttct 15
 119 <210> SEQ ID NO: 7
 120 <211> LENGTH: 15
 121 <212> TYPE: DNA
 122 <213> ORGANISM: Unknown ✓
 124 <220> FEATURE:
 125 <221> NAME/KEY: misc_feature
 126 <222> LOCATION: ()..()
 127 <223> OTHER INFORMATION: glucocorticoid response element ✓
 130 <400> SEQUENCE: 7
 131 gggtgagctt gttct 15
 134 <210> SEQ ID NO: 8
 135 <211> LENGTH: 15
 136 <212> TYPE: DNA
 137 <213> ORGANISM: Unknown ✓
 139 <220> FEATURE:
 140 <221> NAME/KEY: misc_feature
 141 <222> LOCATION: ()..()
 142 <223> OTHER INFORMATION: glucocorticoid response element ✓
 145 <400> SEQUENCE: 8

RAW SEQUENCE LISTING

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146 gcacccacga gctca 15
 149 <210> SEQ ID NO: 9
 150 <211> LENGTH: 15
 151 <212> TYPE: DNA
 152 <213> ORGANISM: Unknown ✓
 154 <220> FEATURE:
 155 <221> NAME/KEY: misc_feature
 156 <222> LOCATION: ()..()
 157 <223> OTHER INFORMATION: glucocorticoid response element ✓
 160 <400> SEQUENCE: 9
 161 aataatcctgt ggtct 15
 164 <210> SEQ ID NO: 10
 165 <211> LENGTH: 15
 166 <212> TYPE: DNA
 167 <213> ORGANISM: Unknown ✓
 169 <220> FEATURE:
 170 <221> NAME/KEY: misc_feature
 171 <222> LOCATION: ()..()
 172 <223> OTHER INFORMATION: glucocorticoid response element ✓
 175 <220> FEATURE:
 176 <221> NAME/KEY: misc_feature
 177 <222> LOCATION: (7)..(9)
 178 <223> OTHER INFORMATION: The "N" at positions 7, 8 and 9 can be A, C, G or T
 181 <400> SEQUENCE: 10
 W--> 182 ggtacannnt gttct 15
 185 <210> SEQ ID NO: 11
 186 <211> LENGTH: 35
 187 <212> TYPE: DNA
 188 <213> ORGANISM: Unknown ✓
 190 <220> FEATURE:
 191 <221> NAME/KEY: misc_feature
 192 <222> LOCATION: ()..()
 193 <223> OTHER INFORMATION: glucocorticoid response element ✓
 196 <400> SEQUENCE: 11
 197 agcttcgtgt ccgggtgagc ttgttcttgc tgtta 35
 200 <210> SEQ ID NO: 12
 201 <211> LENGTH: 35
 202 <212> TYPE: DNA
 203 <213> ORGANISM: Unknown ✓
 205 <220> FEATURE:
 206 <221> NAME/KEY: misc_feature
 207 <222> LOCATION: ()..()
 208 <223> OTHER INFORMATION: glucocorticoid response element ✓
 211 <400> SEQUENCE: 12
 212 ccgggcgtgt ccgggtgagc ttattcttgc tgttc 35
 215 <210> SEQ ID NO: 13
 216 <211> LENGTH: 35
 217 <212> TYPE: DNA
 218 <213> ORGANISM: Unknown

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Input Set : A:\ES.txt
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220 <220> FEATURE:
221 <221> NAME/KEY: misc_feature
222 <222> LOCATION: ()..()
223 <223> OTHER INFORMATION: glucocorticoid response element ✓
226 <400> SEQUENCE: 13
227 agcttgggc aacgagtaac gtgttctaaa tgaga 35
230 <210> SEQ ID NO: 14
231 <211> LENGTH: 35
232 <212> TYPE: DNA
233 <213> ORGANISM: Unknown
235 <220> FEATURE:
236 <221> NAME/KEY: misc_feature
237 <222> LOCATION: ()..()
238 <223> OTHER INFORMATION: glucocorticoid response element ✓
241 <400> SEQUENCE: 14
242 agcttggttt tggttacaaa ctgttctaa aacga 35
245 <210> SEQ ID NO: 15
246 <211> LENGTH: 35
247 <212> TYPE: DNA
248 <213> ORGANISM: Unknown
250 <220> FEATURE:
251 <221> NAME/KEY: misc_feature
252 <222> LOCATION: ()..()
253 <223> OTHER INFORMATION: glucocorticoid response element ✓
256 <400> SEQUENCE: 15
257 agcttgtgt tggttttat tcctgtttgg caaga 35
260 <210> SEQ ID NO: 16
261 <211> LENGTH: 14
262 <212> TYPE: DNA
263 <213> ORGANISM: Unknown
265 <220> FEATURE:
266 <221> NAME/KEY: misc_feature
267 <222> LOCATION: ()..()
268 <223> OTHER INFORMATION: glucocorticoid response element ✓
271 <400> SEQUENCE: 16
272 gggtgagctg ttct 14
275 <210> SEQ ID NO: 17
276 <211> LENGTH: 14
277 <212> TYPE: DNA
278 <213> ORGANISM: Unknown
280 <220> FEATURE:
281 <221> NAME/KEY: misc_feature
282 <222> LOCATION: ()..()
283 <223> OTHER INFORMATION: glucocorticoid response element ✓
286 <400> SEQUENCE: 17
287 gggtgagcta ttct 14

VERIFICATION SUMMARY
PATENT APPLICATION: US/09/783,580

DATE: 09/07/2001
TIME: 16:58:25

Input Set : A:\ES.txt
Output Set: N:\CRF3\09072001\I783580.raw

L:40 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1
L:182 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10